What is Claimed is:

- 1. An apparatus comprising:
 - a) an exothermic hydrogen generator; and
 - b) an endothermic hydrogen generator, the endothermic hydrogen generator to absorb heat from the exothermic hydrogen generator.
- 2. The apparatus of claim 1, further comprising a fuel cell operably coupled to the endothermic and exothermic hydrogen generators.
- 3. The apparatus of claim 2, further comprising a portable electronic device operably coupled to the fuel cell.
- 4. The apparatus of claim 1, wherein said exothermic hydrogen generator comprises at least one of a borohydride solution, solid lithium aluminum tetrahydride and a partial oxidation hydrocarbon reformer.
- 5. The apparatus of claim 4, wherein said exothermic hydrogen generator comprises a sodium borohydride hydrogen generator.
- 6. The apparatus of claim 1, wherein said endothermic hydrogen generator comprises at least one of one or more metal hydrides, one or more metal alloy hydrides, a carbon nanotube system, compressed hydrogen gas, liquid hydrogen and a steam hydrocarbon reformer.
- 7. The apparatus of claim 6, wherein said endothermic hydrogen generator comprises one or more metal hydrides.
- 8. The apparatus of claim 1, further comprising a control system to regulate the rate of exothermic hydrogen generation.
- 9. The apparatus of claim 1, further comprising a control system to regulate the rate of endothermic hydrogen generation.
- 10. The apparatus of claim 2, wherein the fuel cell is thermally neutral.
- 11. The apparatus of claim 2, wherein the fuel cell is endothermic.
- 12. An apparatus comprising:
 - a) an exothermic hydrogen generator;
 - b) an endothermic hydrogen generator;
 - a fuel cell operably coupled to the endothermic and exothermic hydrogen generators; and

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- d) a portable electronic device operably coupled to the fuel cell.
- 13. The apparatus of claim 12, wherein said exothermic hydrogen generator comprises:
 - (i) an aqueous solution of sodium borohydride; and (ii) a catalyst.
- 14. The apparatus of claim 12, wherein said endothermic hydrogen generator comprises one or more metal hydrides.
- 15. A method of generating hydrogen comprising:
 - a) generating hydrogen by an exothermic process; and
 - b) generating hydrogen by an endothermic process.
- 16. The method of claim 15, further comprising providing hydrogen to a fuel cell.
- 17. The method of claim 16, wherein said fuel cell is operably coupled to a portable electronic device.
- 18. The method of claim 15, wherein said exothermic process comprises reacting an aqueous solution of sodium borohydride with a catalyst.
- 19. The method of claim 18, wherein the catalyst comprises platinum.
- 20. The method of claim 15, wherein said endothermic process comprises releasing hydrogen from a metal hydride.
- 21. The method of claim 15, further comprising controlling the rate of the exothermic process.
- 22. The method of claim 15, further comprising controlling the rate of the endothermic process.
- 23. The method of claim 15, wherein the production of heat by the exothermic process and the absorption of heat by the endothermic process are approximately equal.

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